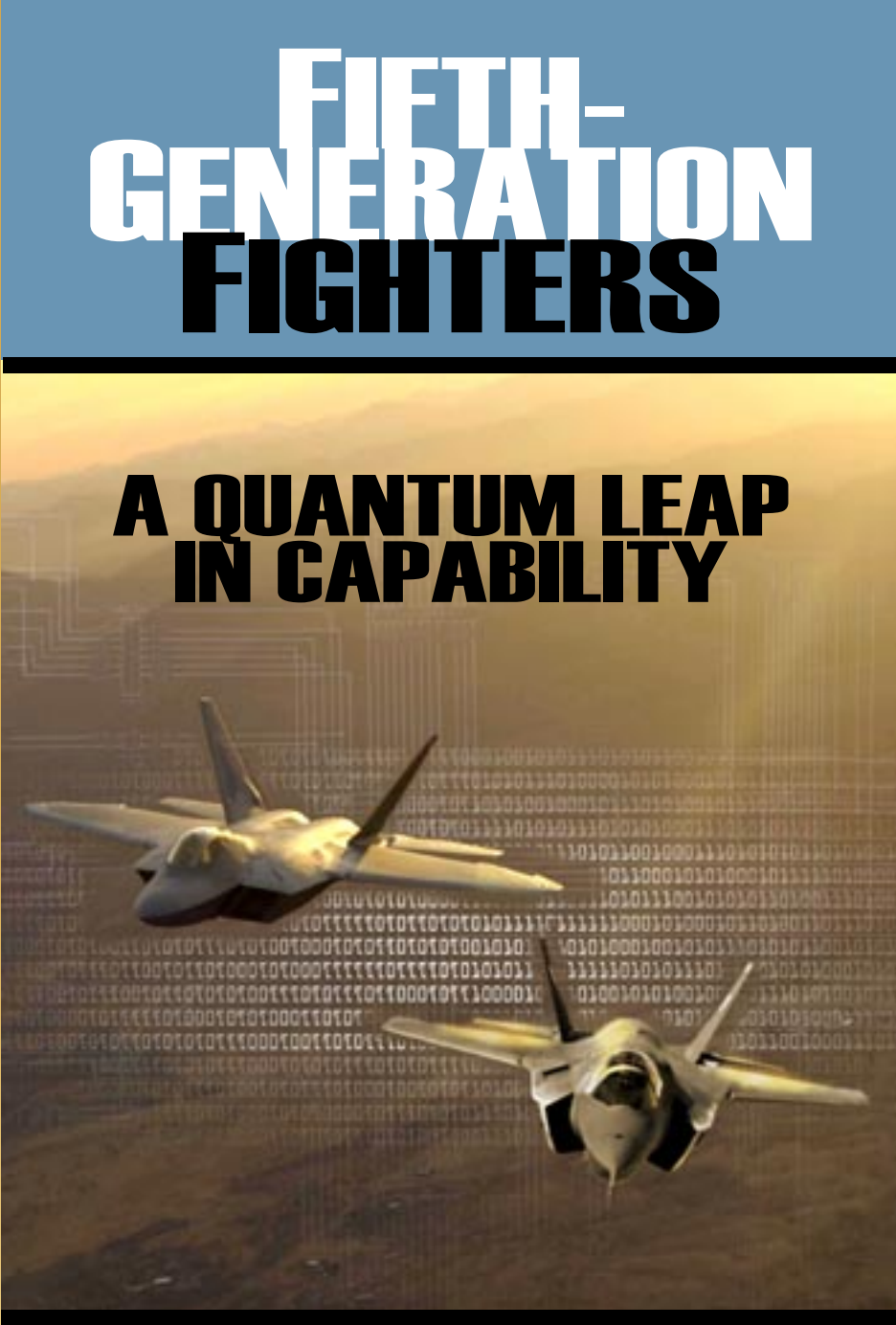


Denying Sanctuary,  
Guaranteeing Access

The stealth and air-dominance capabilities of the F-22A combined with the stealth and heavy-strike capabilities of the F-35 will **secure access to heavily defended regions** and deny sanctuary to our enemies anywhere, anytime. As the Air Force continues to fight the Global War on Terrorism and ensure our readiness for major theater wars, our enemies are reacting and adapting to our known capabilities. **It is our duty to always be at least one step ahead.** A testament to American ingenuity, these aircraft are revolutionary in design—not just a step forward on the evolutionary chain but a giant leap necessary to maintain our winning edge well into the 21<sup>st</sup> Century.



“The QDR proposes measures to increase both strategic and operational freedom of action by combining a more indirect approach, stealth, persistence, flexible basing and strategic reach.”  
— Quadrennial Defense Review Report 2006

“We must be able to locate, identify and target our enemies and their weapons anywhere on the globe at a moment’s notice—there can be no refuge.”  
— General T. Michael Moseley, Air Force Chief of Staff

“American Airmen are not looking for a fair fight. The fifth-generation fighters will ensure our would-be enemies don’t get one.”  
— Michael W. Wynne, Secretary of the Air Force





## Survivability and Lethality Against All Foreseeable Threats



In an uncertain world, America's security demands the ability to respond to multiple threats across the full spectrum of conflict—from terrorism to major theater wars. Regimes, whether state or non-state actors, possessing a significant number of fourth-plus-generation aircraft or "double-digit" Surface to

Air Missiles (SAMs) can limit or prevent our ability to gain or maintain access to a region. When coupled with the proliferation of cruise and ballistic missile technology, unmanned aerial vehicles, weapons of mass destruction and pursuit of fifth-generation technology, **these anti-access threats highlight an increasingly difficult problem for our military.** Only by investing in more capable weapons systems will we be able to pinpoint, identify, and destroy mobile/moving targets regardless of the SAM environment and opposition by adversary fighters. **Fifth-generation fighters provide the asymmetric advantage** to neutralize and destroy anti-access threats and enable safe deployment of follow-on joint forces.

**"It's [the F-22A] an amazing aircraft. The sheer performance of the machine is spectacular, with unrivaled agility."**

—Flt Lt Dan Robinson, RAF, F-22A Exchange Pilot

# UNMATCHED

**Stealth + Speed + Maneuverability + Integrated Avionics + Precision  
= FIFTH-GENERATION FIGHTERS**

## The World's Only Fifth-Generation Fighters

Increasing fiscal restraints are the reality. This problem will only be exacerbated by a multitude of issues, including national obligations associated with an aging population and limited energy resources. We can no longer afford to purchase specialized systems designed to counter individual threats. **We must invest wisely in technology that can counter the full spectrum of foreseeable threats.** The F-22A Raptor and the F-35 Lightning II reap the benefits of decades of stealth research and development and field experience. Designed as 21st-Century combat systems, fifth-generation fighters combine stealth, maneuverability and integrated avionics to ensure multi-role, joint air dominance. Providing more complete battlefield awareness, the capability improves net-centric operations, non-traditional intelligence, surveillance and reconnaissance, persistence, flexibility and readiness. **The ONLY systems with the capability to operate against all potential threats and ensure no safe haven for our would-be enemies are the Raptor and the Lightning II.**

## F-22A and F-35: The Future Is Now

**These systems will complement each other**, each blending fifth-generation fighter capabilities with added unique benefits. The Raptor is an air dominance fighter designed with additional speed and air-to-air capability. The Lightning II is an air-to-ground fighter bringing targeting flexibility and increased range and persistence. The combination of these cutting-edge stealth aircraft further enable net-centric operations critical to the Joint, interdependent fight. They will ensure we continue to deliver that dominance, guarding the lives of all our forces as an umbrella protection immeasurably more capable than their predecessors. While we have worked hard to keep our aging aircraft competitive by modifying them with advanced technologies, the best way to maintain air dominance for the foreseeable future is to produce fifth-generation fighters: the F-22A and F-35. **These aircraft will provide the Combatant Commanders a synergistic capability that will secure the air over the battlefield.**

**"When the bad guys don't know you're coming, they can't react to you. It's easy to target them and they never even see you coming."**

—Capt. Jonathan Gration, F-22A Pilot

### 1ST Generation

13,488 Produced  
(F-80, F-84, F-86, F-89, F-94)

### 2ND Generation

5,525 Produced  
(F-100, F-101, F-102, F-104, F-105, F-106)

### 3RD Generation

3,815 Produced  
(A-7, F-111, F-4, F-5)

### 4TH Generation

4,112 Produced  
(A-10, F-15, F-16, F-117)

### 5TH Generation

Produced: 78 F-22As  
0 F-35s

1940s

1950s

1960s

1970s

Today